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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Eric A. Johnson et al.

Appln. No. 08/458,019

Group Art Unit: 1808

Filed: 1 June 1995

Examiners: H. Lilling

For: PROCESSES FOR IN VIVO PRODUCTION
OF ASTAXANTHIN AND PHAFFIA RHODOZYMA
YEAST OF ENHANCED ASTAXANTHIN CONTENT

AMENDMENT UNDER 37 C.F.R. §1.115

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

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OCT 4 1996

GROUP 1800

Sir:

This Amendment is responsive to the Office Action mailed 29 May 1996. Attached hereto and herein incorporated by reference is a Petition for Extension of Time for a two-month extension making the due date for response 30 September 1996, 29 September 1996 falling on a Sunday.

Kindly amend the application as follows.

IN THE CLAIMS:

25. (Twice Amended) [A pigment] An astaxanthin mutant Phaffia rhodozyma producing more astaxanthin than naturally occurring Phaffia rhodozyma, said mutant producing more than 700 micrograms of astaxanthin per gram of dry yeast per six-day culture in YM medium, wherein the amount of astaxanthin is determined by measuring the absorbance at 474 nanometers of a petroleum ether extract of Phaffia rhodozyma using a 1% (w/v) extinction coefficient in a one centimeter cuvette of 2100.